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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jerome J. Klawitter
Serial No.: 111,488
Filed: January 14, 1980
For: HEART VALVE PROSTHESIS

Group Art Unit: 337

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CITATION OF PRIOR ART PURSUANT
TO 37 C.F.R. §§ 1.97-1.98

Hon. Commissioner of Patents
and Trademarks
Washington, D. C. 20231

Sir:

Copies of the following patents are enclosed:

British Patent No. 1,160,008, issued 30 July 1969.

U.S. Patents:

4,078,268	Possis	Mar. 14, 1978
4,159,543	Carpentier	July. 3, 1979
3,589,392	Meyer	June 29, 1971
4,178,638	Meyer	Dec. 18, 1979
3,903,548	Nakib	Sept. 9, 1975

British Patent No. 1,160,008 shows a cardiac valve employing a pair of pivoted leaflets to open and close a central passageway.

The Possis patent illustrates several cardiac valve designs which each employ a pair of pivoting leaflets.

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Klawitter

The Carpentier patent shows several cardiac valves which each utilize a pair of pivoted leaflets with a variety of arrangements for supporting the pivoting leaflets being illustrated.

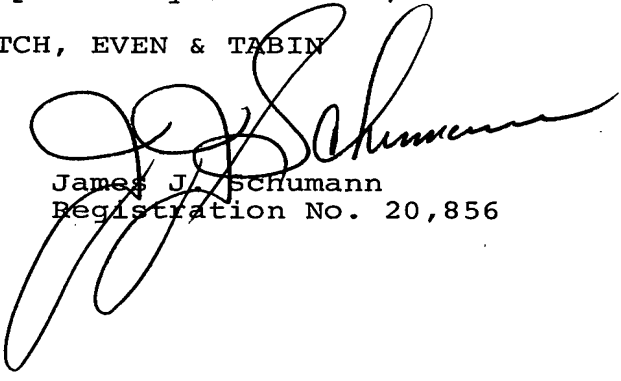
The Meyer patents illustrate cardiac valves having a pair of leaflets each having a curved shape. In the earlier patent, the leaflets are molded from a plastic resin to incorporate a hinge portion which connects the leaflet to an underlying base section. The later patent describes the leaflets as being cylindrical segments having edges which form a quadrilateral and illustrates different hinge arrangements.

Nakib discloses a heart valve having a pair of free-floating, independent discs.

Respectfully submitted,

FITCH, EVEN & TABIN

By


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March 12, 1980
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Enclosures